



## (e,2e) Pol. Scientific Programme

Tuesday August 1	
18:15	Bus transfer from ICPEAC
19:00	Registration & Welcome Reception

Wednesday August 2	
8:55	<i>Opening, Igor Bray</i>
9:00	<i>Session Chair: Erich Weigold</i>
	<b>Thomas Pfeifer:</b> Watching and steering few- to many-electron bound-state dynamics
9:40	<b>Marc Simon:</b> Fundamental processes in the "tender" X-ray region
10:20	<b>Alicia Palacios:</b> Imaging ultrafast molecular dynamics using a single or a pair of UV pulses
10:40	<b>Reika Kanya:</b> Laser-assisted electron scattering and diffraction for ultrafast molecular imaging
11:00	Morning Tea
11:30	<i>Session Chair: Barry Schneider</i>
	<b>Anthony Starace:</b> Time-resolved ultrafast (e,2e) momentum spectroscopy
11:50	<b>Igor Ivanov:</b> Strong field ionization driven by tailored laser fields
12:10	<b>Lorenzo Ugo Ancarani:</b> Ionization of molecules with a Generalized Sturmian Functions approach
12:30	<b>Marcelo Ambrosio:</b> Beat structure in the solution of scattering problems with non decaying sources
12:50	<b>Victor Flambaum:</b> Dark matter scattering off electrons
13:10	Lunch
14:10	<i>Session Chair: Kiyoshi Ueda</i>
	<b>Lidija Andric:</b> Single photon multiple ionization of atoms and molecules associated with inner-shell excitation
14:30	<b>Shini Minemoto:</b> Structure determination of molecules in an alignment laser field by femtosecond photoelectron diffraction using a X-ray free-electron laser
14:50	<b>Alexander Blättermann:</b> Watching the emergence of a Fano resonance in doubly-excited helium
15:10	<b>Daehyun You:</b> Electron transfer to ground-state ions in loosely-bound systems producing slow electrons
15:30	<b>Sebastian Eckart:</b> Double Ionization in shaped laser fields
15:50	Afternoon Tea
16:20	<i>Session Chair: Birgit Lohmann</i>
	<b>Nora Berrah:</b> Time-Resolved C60 Femtosecond Dynamics Induced by High Intensity X-rays from the LCLS
16:40	<b>Florian Trinter:</b> Imaging the temporal evolution of molecular orbitals during ultrafast dissociation
17:00	<b>Xueguang Ren:</b> Observation of Intermolecular Coulombic Decay in Water-Tetrahydrofuran Dimers Induced by Electron-Impact Ionization
17:20	<b>Christoph Lemell:</b> Time-resolved observation of plasmon excitation
17:40	<b>Tsukasa Takanashi:</b> Multiple excitation ICD in neon dimers and clusters
18:00	Close

	Session Type		
Key:	Session Chair	Plenary Session	Invited Talks



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Thursday August 3	
8:55	<i>Admin Matters, Igor Bray</i>
9:00	<i>Session Chair: Michael Brunger</i>
	<b>Klaus Bartschat:</b> Recent progress in the field of polarization, alignment, and orientation in atomic collisions
9:40	<b>Baptiste Fabre:</b> Electron emission from chiral molecules
10:20	<b>Tim Gay:</b> Measurement of the Integrated Stokes Parameters for Zn 468 nm Florescence Excited by Polarized-Electron Impact
10:40	<b>Bruno deHarak:</b> Laser-assisted electron-potassium scattering
11:00	Morning Tea
11:30	<i>Session Chair: Andrew Murray</i>
	<b>Birgit Lohmann:</b> Dynamical (e,2e) results on biomass fragments and biomolecules
11:50	<b>Masahiko Takahashi:</b> Present status and future prospect of a new real-time spectroscopic complex using high-energy electron scattering
12:10	<b>Yaguo Tang:</b> Electron momentum spectroscopy investigation of flexible molecules considering vibrational effects
12:30	<b>Matthew Harvey:</b> Applications of the AC Magneto-Optical Trap in collision experiments
12:50	<b>Lorenzo Avaldi:</b> Electron pair escape in C60 via collective modes
13:10	Lunch & Business Meeting
14:10	<i>Session Chair: Roberto Rivarola</i>
	<b>Michael Schulz:</b> Fully differential study of dissociative capture in p + H <sub>2</sub> collisions
14:30	<b>Raul Barrachina:</b> Loss of wave-packet coherence in atomic collisions
14:50	<b>Tom Kirchner:</b> Single- and multiple-particle dynamics in three-electron ion-atom collision systems
15:10	<b>Diego Boll:</b> Photoionization of noble gas atoms by attopulses assisted by lasers with linear polarization
15:30	<b>Shota Tsuru:</b> Theory of X-ray photoelectron diffraction from molecules undergoing an ultrafast photochemical reaction
15:50	Afternoon Tea
16:20	<i>Session Chair: Paola Bolognesi</i>
	<b>Daniele Toffoli:</b> Theory of molecular photoionisation and its applications
16:40	<b>Alexei Grum-Grzhimailo:</b> Asymmetries in electron emission produced by intense linearly and circularly polarized XUV radiation
17:00	<b>Frank Yip:</b> Double photoionization of quasi two-electron atoms
17:20	<b>Jamal Berakdar:</b> Single- or double-electron emission within the Keldysh nonequilibrium Green's function – a diagrammatic approach
17:40	<b>Shuncheng Yan:</b> Unambiguous detection of Interatomic Coulombic Decay of Ne dimer by electron impact
18:00	Close
19:00	Conference BBQ

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## (e,2e) Pol. Scientific Programme

Friday August 4	
8:55	<i>Admin Matters, Igor Bray</i>
9:00	<i>Session Chair: Horst Schmidt-Böcking</i> <i>Celebrating the life-long achievements of Erich Weigold and Jim Williams</i>
	<b>Erich Weigold:</b> A personal journey in Physics
9:40	<b>Jim Williams:</b> Uncovering treasures of physics: a personal story
10:20	<b>Sergey Samarin:</b> Interaction of spin-polarized electrons with surfaces: Single-electron spectroscopy versus Two-electron spectroscopy
10:40	<b>Gianni Stefani:</b> Sequential and coherent decay of plasmons in solids investigated by (e,2e)
11:00	Morning Tea
11:30	<i>Session Chair: Jim Williams</i>
	<b>Emma Sokell:</b> 4d – 4f photoabsorption in laser-produced thulium plasmas
11:50	<b>Daniel Rolles:</b> Femtosecond and nanometer visualization of structural and electron dynamics
12:10	<b>Maarten Vos:</b> Electron scattering as a tool to study zero-point kinetic energies of atoms in molecules
12:30	<b>Jeremy Savage:</b> Spheroidal convergent close-coupling method for electron-molecule scattering
12:50	<b>Patrick Rousseau:</b> Molecular growth induced by heavy ion collisions
13:10	Close of Meeting

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